

WIREFATH

BULK WIRE

SP-HNET1-500-BLU

Features: CAT5e

- 24 AWG 4 Conductor Cat5e Wire, CMG
- Unshielded twister pair, Solid bare copper conductors
- Sweep frequency up to 350 MHz

Features: RG6Q

- 18 AWG, CMG Rated RG6 Quad Shielded Coax Cable
- Copper Clad Steel conductor

Application

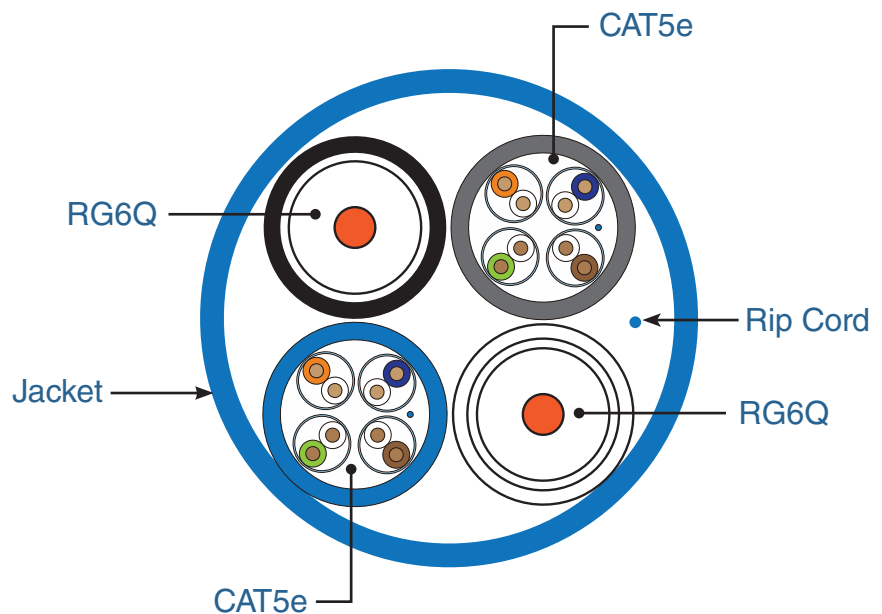
- Satellite Installations
- CATV and HDTV
- Communications Circuits
- LAN/Network cable
 - Digital and analog transmission for data, video, audio, and phone
 - CDDI / ATM / Token Ring
 - IEEE 802.3af (PoE) / IEEE 802.3at (PoE+)

Flame Test

- FT4 Rated

Applicable Standards

- UL Listed
- CMG Rated
- RoHS Compliant



WIREFATH

BULK WIRE

Material and Construction		
	RG6Q	2 × CAT5e UTP
Conductor Material	Copper Clad Steel	4 × 2 × 0.5 mm BC
AWG	18	24
Insulation Material	F/PE	PE
Diameter	4.57 mm	0.90 mm
Screen		N/A
Bonded AL-Mylar Shield	≥ 100%	
Braid Shield	16 × 5/0.12 mm (≥60%)	
Construction	Aluminum Wire	
Double Faced AL-Mylar Shield	100%	
Braid Shield	16 × 4/0.12 mm (≥40%)	
Construction	Aluminum Wire	
Inner Jacket Color	Black/White	Blue
		Gray
Inner Jacket Material	PVC	PVC
Inner Jacket Diameter	4.57	5.2 mm
Inner Jacket Thickness	0.75	0.55 mm
Outer Jacket	PVC	
Rip Cord	Nylon 150D	
Outer Diameter	16.8 ± 1.0 mm	
Color	Blue	

WIREFATH

BULK WIRE

Electrical Characteristics (CAT5e)							
Freq. (Mhz)	RL (dB)	Atten. (dB/100m)	Next (dB)	PsNext (dB)	EIFext dB/100m	PsEIFext (dB/100m)	Dop (ns/100m)
1	20	2.04	65.3	62.3	63.8	60.8	570
4	23.01	4.05	56.26	53.26	51.75	48.75	552
8	24.51	5.76	51.75	48.75	45.73	42.73	546.72
10	25	6.46	50.30	47.3	43.8	40.79	545.38
16	25	8.24	47.23	44.23	39.71	36.71	543
20	25	9.26	45.78	42.78	37.77	34.77	542.04
25	24.32	10.42	44.33	41.33	35.84	32.84	541.2
31.25	23.64	11.72	42.87	39.87	33.9	30.90	540.43
50	22.21	15.06	39.81	36.81	29.82	26.82	539.09
62.5	21.53	16.99	38.36	35.36	27.88	24.88	538.55
100	20.1	21.97	35.29	32.29	23.79	20.79	537.6
200	18	32.42	30.78	27.78	17.77	14.77	536.54
250	17.32	36.85	29.33	26.33	15.84	12.84	536.27
300	16.76	40.97	28.14	25.14	14.25	11.25	536.07
350	16.29	44.85	27.13	24.13	12.91	9.91	535.92

Usage & Environmental Condition		
Temperature Range	Storage & Shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	75° C
Min. Bending Radius	≥ 30 * Φ	

Physical & Electrical Characteristics (at 20°C)	
Temp & Voltage Rating	75° C/ 80V
Spark Test	2500V DC
Cable Cold Bend	-20°C for 4 hours
Cond. DCR (24 AWG)	≤ 93.8 Ohms/KM
Dielectric Strength	1500V AC for 2S
Insulation Resistance	≥ 500 MΩ/km